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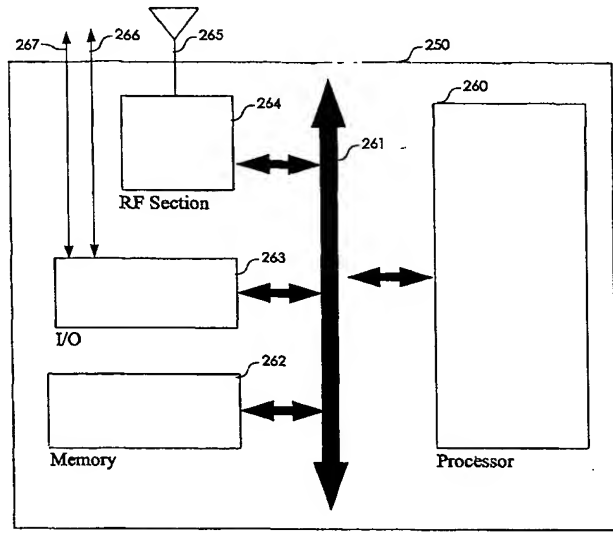
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(54) Title: IMPROVED WIRELESS NETWORK REPEATER



Full Duplex Repeater

(57) **Abstract:** A frequency translating repeater (250) for use in a time division duplex radio protocol communications system includes a processor (260), a bus (261), a memory (262), an RF section (264), and an integrated station device (264). An access point (210) is detected based on information transmitted frequency channels using a protocol. Detection is initiated automatically during a power-on sequence or by activating an input device such as a button. Frequency channels are scanned for a beacon signal and an access point chosen as a preferred access point based on a metric such as power level.

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